



Indiana Confined Feeding Operations Permit Program

Indiana Department of Environmental Management

Indiana's CFO Program History

1971 IC 13-18-10 Confined Feeding Control Law established program

1997 Confined Feeding Control Law revised

2002 327 IAC 16 Confined Feeding Operations Rule adopted

2004 327 IAC 15-15 adopted to administer the USEPA CWA permit program for CAFOs (Concentrated Animal Feeding Operation)

CFO Performance Standards

? Protection of water quality by:

- avoiding discharges to waters of the state,
- minimizing non point source runoff,
- prevention of spills,
- properly operate and maintain waste storage structures.

Manure Management and Water Quality

? The IDEM CFO program minimizes the impact to water quality by:

- the storage capacity must be at least 180 days,
- requiring manure to be stored in properly designed waste storage structures
- the program requires manure to be land applied at rates based on the fertilization needs of the existing or proposed crop to be grown on the fields.

How many CFOs and CAFOs are in Indiana?

- ? There are approximately 2,200 regulated livestock operations in Indiana.
- ? Approximately 500 farms exceed the animal number threshold of a large CAFO. For swine the threshold numbers are 2,500 (55 lbs or more) 10,000 (under 55 lbs).

How much land is needed for manure application each year

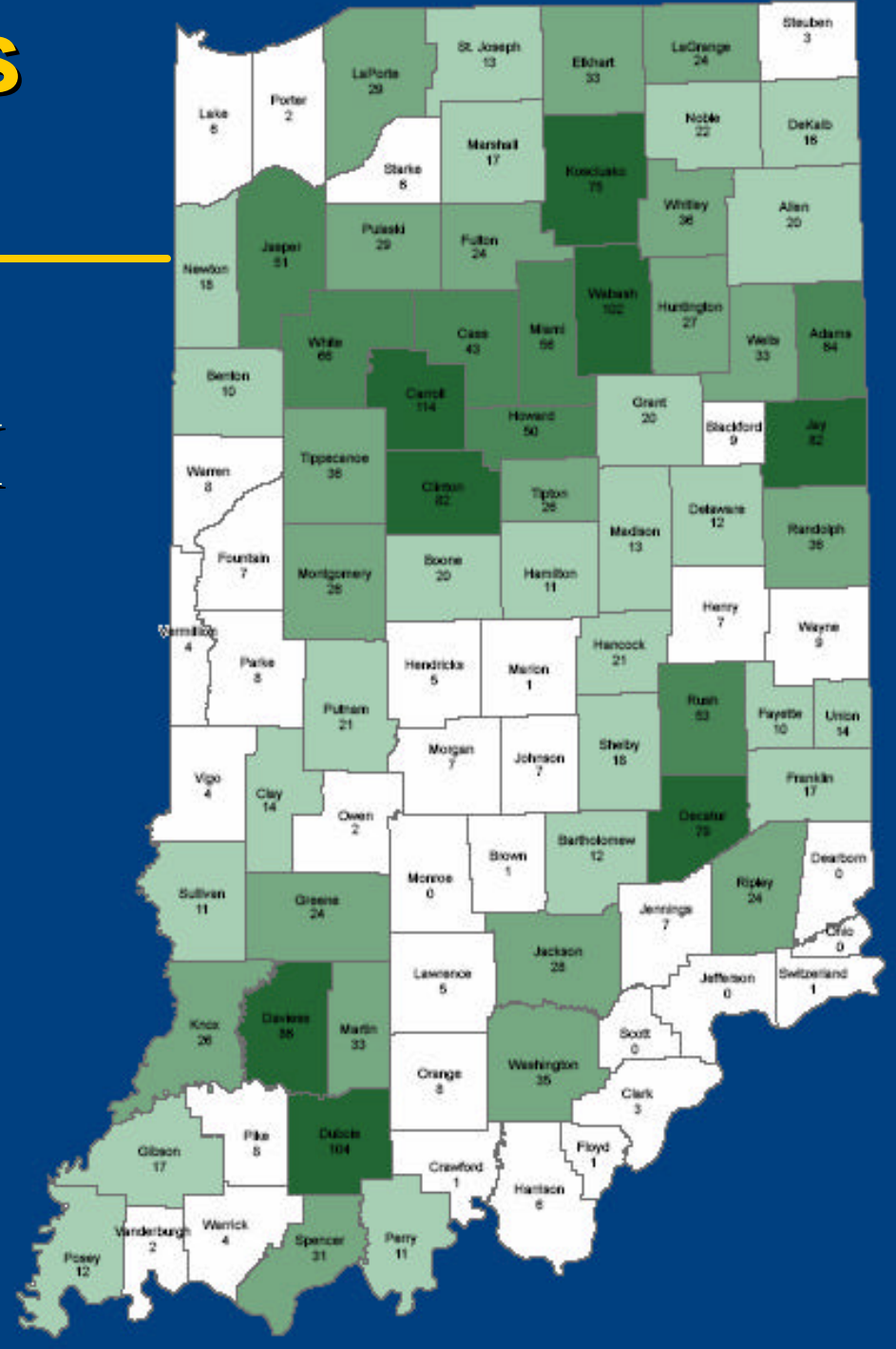
- Approximately 381,000 acres are needed in Indiana to apply the manure from state regulated farms at nitrogen limited application rates. This is approximately 3.2 % of Indiana cropland
- Acres needed by the top five counties of livestock production:
 1. Dubois 21,792 acres
 2. Jay 20,874 acres
 3. Wabash 20,272 acres
 4. Kosciusko 20,074 acres
 5. Newton 18,559 acres

Regulated Farms by County

2,179 Farms are Regulated by IDEM

Top 5 Counties:

1. *Carroll* - 114
2. *Dubois* - 104
3. *Wabash* - 102
4. *Daviess* - 86
5. *Clinton* - 82



Regulated Animals by County

54,006,194 Animals are
on Regulated Farms

Top 5 Counties:

1. Dubois – 6,647,736
2. Kosciusko – 5,980,000
3. Jackson – 5,253,290
4. Wabash – 5,051,505
5. Jay – 4,117,482



Approved CFOs by County

1,604 Farms Regulated by
IDEM are CFOs
(74% of All Farms)

Top 5 Counties:

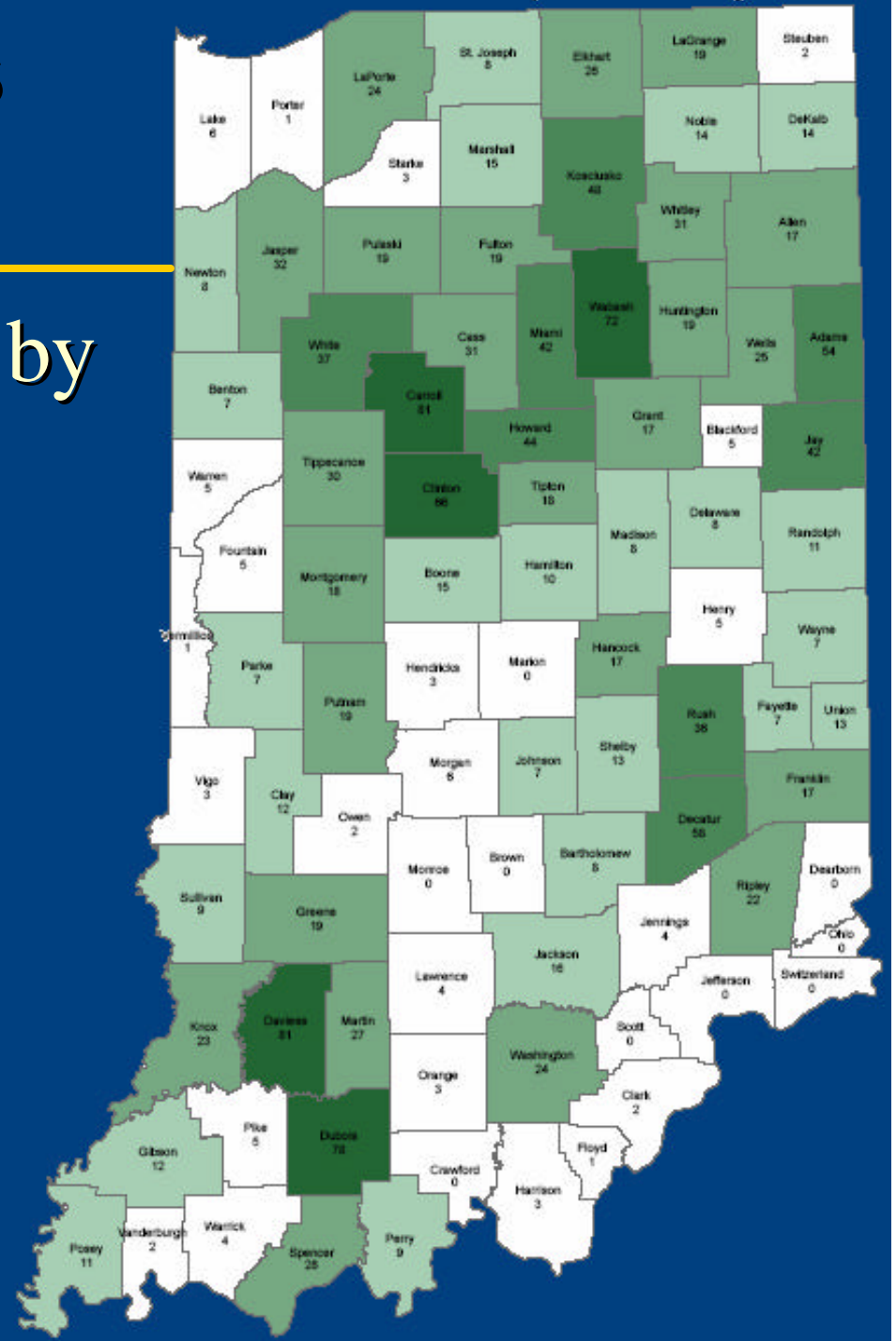
1. Carroll - 81

Daviess – 81

3. *Dubois* - 78

4. *Wabash* – 72

5. Clinton- 66

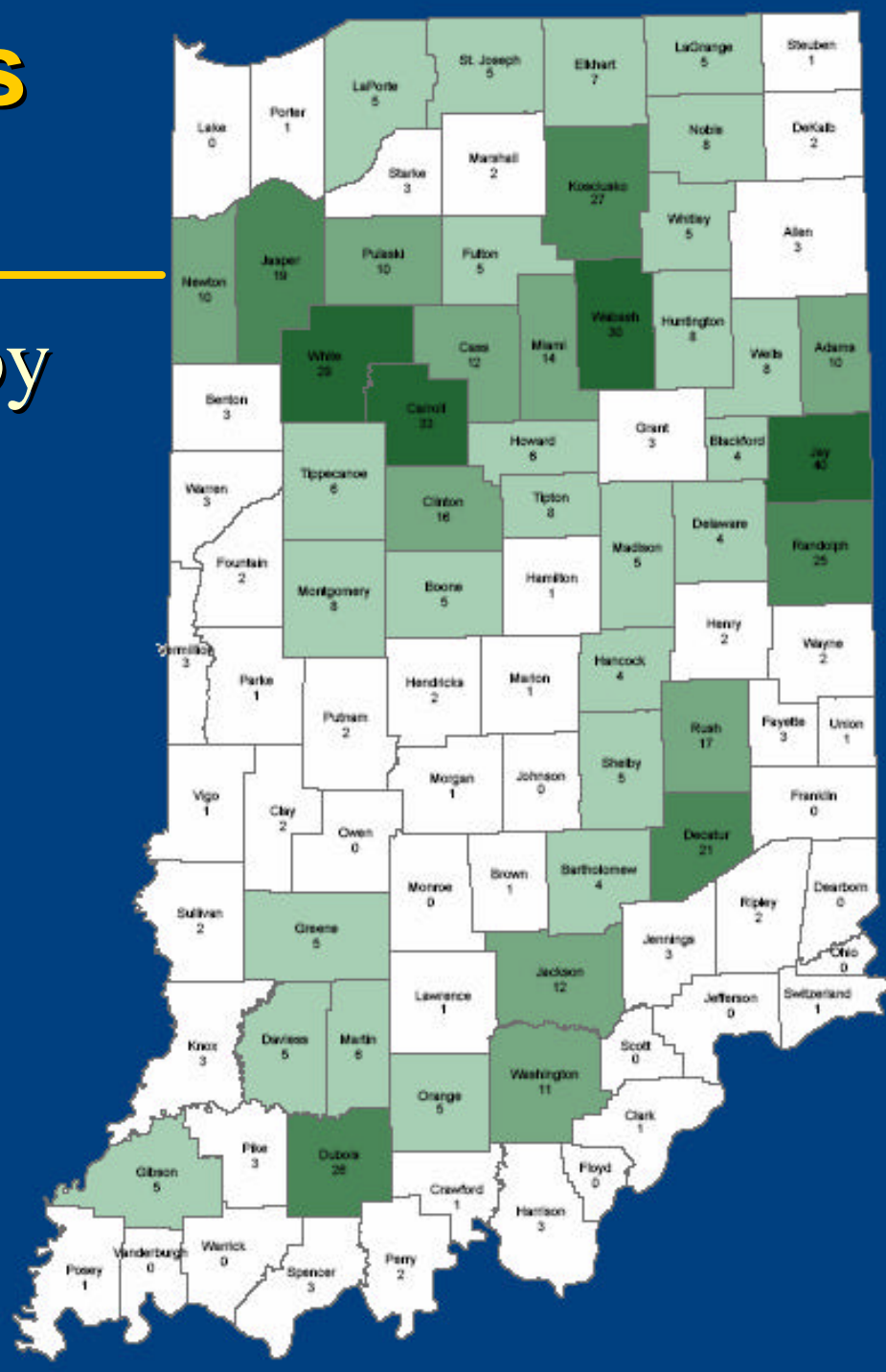


Permitted CAFOs by County

575 Farms Regulated by
IDEM are CAFOs
(26% of All Farms)

Top 5 Counties:

1. Jay – 40
2. Carroll – 33
3. Wabash - 30
4. White - 29
5. Kosciusko - 27



Construction at New or Existing CFOs or CAFOs

- ? Waste management structures include confinement buildings, feedlots, manure storage structures and manure transfer systems
- ? All waste management structures must be approved prior to construction.
- ? Waste management structures must be built in accordance with approved plans

Types of Liquid Manure Storage Structures

- ? Concrete Pits or Tanks
- ? Earthen Pits or Lagoons
- ? Prefabricated above ground tanks

Design Requirements for Concrete Manure Storage Structures

- ? Provide at least 180 days storage capacity
- ? Meet setback requirements
- ? Designed to be structurally sound by the use of high strength concrete including adequate reinforcing steel and properly installed water stops to provide a watertight tank
- ? Seasonal water table must be lowered to the base of the structure

IDEM Contacts:

?Dennis Lasiter, Office of Land Quality

- dlasiter@idem.IN.gov
- (317) 232-8732
- 1-800-451-6027 ext 2-8732

